

### ABSTRACT

An electronic module that inserts into or is otherwise associated with a pen or other writing instrument. The  
5 electronic module includes a mechanism, such as an accelerometer, for detecting pen motion. The electronic module is preferably mounted in a substitute ink cartridge for a pen. Ballistic information generated by the accelerometer is transmitted via the radio transmitter to a computer (e.g.,  
10 a personal computer), where processing and/or storage of the accelerometer information may occur. The accelerometer information may be used, for example, for handwriting recognition or digital ink generation. The electronic module is preferably provided in a casing that is shaped like an ink  
15 cartridge. Contemporary pens usually include two cartridges within the pen, a first that supplies ink to the nib, and a second that presses the first against the nib. The components may be mounted in a cartridge that is placed in the position of the second cartridge.